

AUTHOR INDEX TO VOLUME 10

Anderson, Richard E., 357
Ardaiole, Frank, P., 207

Baldrige, J. Victor, 263
Baskin, Steven M., 331

Chapman, Randall G., 37
Critelli, Joseph W., 331

Darkenwald, Gordon G., 357
Dejnozka, Edward L., 99

Feldman, Kenneth A., 149
Fife, Jonathan D., 189
Fincher, Cameron, 3

Hesseldenz, Jon S., 195
Howard, George S., 305
Hoyt, Donald P., 291

Jenny, Hans H., 59
Johnson, Douglas A., 331

Kapel, David E., 99
King, Harry A., 113
Kodras, Janet E., 11
Kraft, Robert E., 237
Kuh, George D., 207

Marsh, Herbert W., 139
Mayo, G. Douglas, 253
Milner, E. Keith, 113
Morstain, Barry R., 237
Muffo, John, 25
Muir, Albert E., 345

Neumann, Yoram, 123, 221

Orr, Paul G., 283
Overall, J. U., 139

Pizzini, Edward L., 113
Prather, James E., 11

Schietinger, E. F., 371
Schmeck, Ronald R., 305
Shulenburg, David, 173
Smith, Glynton, 11
Spangler, Ronald K., 291
Stein, Ronald H., 71
Stockham, David H., 195
Stone, Gerald C., 317

Thompson, Fred, 83

Whitely, William, 173

SUBJECT INDEX TO VOLUME 10

- Administrative effectiveness of academic department head, measurement of, 291
- Adult learners compared with traditional freshmen, 207
- College, student choice of, and pricing policy, 37
- Collective bargaining, faculty attitudes toward, 123
- Compensation, faculty, colleague ratings and, 25
- Deanship, analysis of, 99
- Department head, measurement of administrative effectiveness of, 291
- Department heads, relation between sex and leadership behavior of, 113
- Development center, faculty evaluation of, 253
- Evaluations, students': long-term stability of, 139
 - significance of circumstances for, 149
- Federal programs, impact on higher education of, 71
- Financial assessment, college: methodology, 59
- Freshmen, adult compared with traditional, 207
- Grades in 144 undergraduate courses, a longitudinal study of, 11
- Higher education for the elderly, 317
- Income and the all-doctorate marriage, 189
- Learner, the adult part-time, 357
- Loan defaults, student, predicting, 195
- Management information systems and management by objectives systems, 263
- Market research, cost and value of, for institutional administrations, 83
- Publication, professional meetings and, 3
- Relationships, interpersonal, in the college classroom, 331
- Research, use of higher education, 189
- Research support, extramural, improving success probabilities of faculty requests for, 345
- Salaries, comparison of different discipline, 221
- Student motivation, relationship of changes in, to student evaluations of instruction, 305
- Students, educational orientation of, 237

RESEARCH IN HIGHER EDUCATION

CHARLES F. ELTON, Editor



Journal of
The Association for Institutional Research

Volume 10, 1979

APS PUBLICATIONS, INC. • NEW YORK, N.Y.
An affiliate of Agathon Press, Inc.

RESEARCH IN
HIGHER
EDUCATION

© 1979 APS Publications, Inc.
15 East 26th St.
New York, NY 10010

Research in Higher Education

Journal of the Association for Institutional Research

Volume 10, Number 1

1979

AIR Forum Issue

AIR Between Forums	3
A Longitudinal Study of Grades in 144 Undergraduate Courses James E. Prather, Glynton Smith, and Janet E. Kodras	11
Relationships Between Colleague Ratings and Faculty Compensation John Muffo	25
Pricing Policy and the College Choice Process Randall G. Chapman	37
Institutional Financial Assessment: Methodology and Meaning Hans H. Jenny	59
Impact of Federal Intervention on Higher Education Ronald H. Stein	71
The Cost and Value of Marketing Analysis Fred Thompson	83

Volume 10, Number 2

1979

The Education Deanship: A Further Analysis David E. Kapel and Edward L. Dejnozka	99
Relationship Between Sex and Leadership Behavior of Department Heads in Physical Education E. Keith Milner, Harry A. King, and Edward L. Pizzini	113

Determinants of Faculty Attitudes Toward Collective Bargaining in University Graduate Departments: An Organizational Climate Approach Yoram Neumann	123
Long-Term Stability of Students' Evaluations: A Note on Feldman's "Consistency and Variability Among College Students in Rating Their Teachers and Courses" Herbert W. Marsh and J. U. Overall	139
The Significance of Circumstances for College Students' Ratings of Their Teachers and Courses Kenneth A. Feldman	149
The Income Consequences of the All-doctorate Marriage David Shulenburg and William Whitely	173
AIR Between Forums	189

Volume 10, Number 3

1979

Predicting National Direct Student Loan Defaults: The Role of Personality Data David H. Stockham and Jon S. Hesseldenz	195
Adult Learners and Traditional Age Freshmen: Comparing the "New" Pool with the "Old" Pool of Students George D. Kuh and Frank P. Ardaiole	207
Determinants of Faculty Salary in Prestigious Versus Less- Prestigious Departments: A Comparative Study of Academic Disciplines Yoram Neumann	221
Educational Orientations of College Students: A Typological Analysis Barry R. Morstain and Robert E. Kraft	237
Faculty Evaluation of a Faculty Development Center G. Douglas Mayo	253

Impacts on College Administration: Management Information Systems and Management by Objectives Systems J. Victor Baldridge	263
AIR Between Forums	283

Volume 10, Number 4

1979

The Measurement of Administrative Effectiveness of the Academic Department Head Donald P. Hoyt and Ronald K. Spangler	291
Relationship of Changes in Student Motivation to Student Evaluations of Instruction George S. Howard and Ronald R. Schmeck	305
Higher Education for the Elderly: Continuing in the Mainstream of American Life Gerald C. Stone	317
Improving Interpersonal Relations in the College Classroom: An Empirical Investigation Douglas A. Johnson, Joseph W. Critelli, and Steven M. Baskin ..	331
Improving Success Probabilities of Faculty Requests for Extramural Research Support Albert E. Muir	345
The Adult Part-time Learner in Colleges and Universities: A Clientele Analysis Richard E. Anderson and Gordon G. Darkenwald	357
AIR Between Forums	371
Author Index to Volume 10	375
Subject Index to Volume 10	376

The first of these is the fact that the majority of the population of the United States is of European descent.

The second is the fact that the majority of the population of the United States is of European descent.

The third is the fact that the majority of the population of the United States is of European descent.

The fourth is the fact that the majority of the population of the United States is of European descent.

The fifth is the fact that the majority of the population of the United States is of European descent.

The sixth is the fact that the majority of the population of the United States is of European descent.

The seventh is the fact that the majority of the population of the United States is of European descent.

The eighth is the fact that the majority of the population of the United States is of European descent.

The ninth is the fact that the majority of the population of the United States is of European descent.

The tenth is the fact that the majority of the population of the United States is of European descent.

The eleventh is the fact that the majority of the population of the United States is of European descent.

The twelfth is the fact that the majority of the population of the United States is of European descent.

The thirteenth is the fact that the majority of the population of the United States is of European descent.

The fourteenth is the fact that the majority of the population of the United States is of European descent.

The fifteenth is the fact that the majority of the population of the United States is of European descent.

The sixteenth is the fact that the majority of the population of the United States is of European descent.

The seventeenth is the fact that the majority of the population of the United States is of European descent.

The eighteenth is the fact that the majority of the population of the United States is of European descent.

The nineteenth is the fact that the majority of the population of the United States is of European descent.

The twentieth is the fact that the majority of the population of the United States is of European descent.

To Be Published in Forthcoming Issues

Market Structure and Institutional Position in Geographic Market Segments, **Larry H. Litten**, *Carleton College*

The Perception of Change in University Departments, **Yoram Neumann**, *Boston University*
Pay, Rank, and Growing Old with More of Each, **Gerald W. McLaughlin**, **James R. Montgomery**, and **Beatrice T. Mahan**, *Virginia Polytechnic Institute and State University*

Calculation of Productivity of Laboratory-type Courses, **Stephen E. Schullery**, *University of Virginia School of Medicine*

Validity Extension of the Course-Faculty Instrument (CFI), **Stephen A. Stumpf**, **Richard D. Freedman**, and **Kenneth M. Krieger**, *New York University*

Steady State Effects of a Later Mandatory Retirement Law for Tenured Faculty, **William A. Simpson**, *Michigan State University*

THE UNIVERSITY OF CHICAGO
CHICAGO, ILLINOIS
JANUARY 10, 1964
DR. J. H. COOPER
1000 UNIVERSITY AVENUE
CHICAGO, ILLINOIS
DEAR DR. COOPER:
I have just received your letter of the 8th and am
glad to hear that you are interested in the
project. I am sure that the project will be of
great value to you and to the field of research.
I am sure that you will find the project
very interesting and that it will be of great
value to you and to the field of research.
I am sure that you will find the project
very interesting and that it will be of great
value to you and to the field of research.

AUTHOR INDEX TO VOLUME 11

Aguanno, Joseph C., 111

Bausell, Carole R., 167

Bausell, R. Barker, 167

Chapman, David W., 233, 309

Charns, Martin P., 125

Cohen, Peter A., 321

Ecker, George, 295

Feasley, Charles E., 343

Fincher, Cameron, 365

Firnberg, James W., 275

Freedman, Richard D., 13, 111

Guskey, Thomas R., 263

Hill, Malcolm D., 99

Hutcheson, Sigrid M., 233

Jobe, J. Larry, 189

Johnson, Russell H., 309

Kreiger, Kenneth M., 13

Kulik, Chen-Lin C., 321

Kulik, James A., 321

Kreiger, Kenneth M., 13

Lasher, William F., 275

Lee, Elisabeth, 207

Leverenz, Theo R., 85

Lewis, Bruce R., 85

Litten, Larry H., 59

Mahan, Beatrice T., 23

Marshall, K.T., 195

McLaughlin, Gerald W., 23, 249

McMartin, James A., 137

Monsaas, Judith A., 263

Montgomery, James R., 23

Moos, Rudolf, 207

Morrison, James L., 99

Muffo, John A., 189

Neumann, Yoram, 45, 125, 283

Oliver, R.M., 195

Peters, Dianne S., 179

Rich, Harvey E., 137

Schullery, Stephen E., 3

Simpson, William A., 37

Skubal, Jacqueline M., 223

Smith, Philip L., 153

South, James D., 99

Spinney, David L., 249

Stumpf, Stephen A., 13, 111, 353

SUBJECT INDEX TO VOLUME 11

- Academic program and department effectiveness, assessing, 353
- AIR Between Forums
 - Evaluation of administrators, 189
 - Institutional research: the decade ahead, 275
 - The packaging of planning, 365
- Audio-tutorial instruction, research on, 321
- College recruitment literature, an assessment of, 309
- Course-faculty instrument, validity extension of the, 13
- Evaluation of teaching, student, faculty attitudes toward, 137
- Faculty, university, temporal perceptions and, 179
- Faculty in medical school departments, task characteristics of, 125
- Faculty role orientation and perceived teaching effectiveness, 99
- Forecasting, student enrollment, estimating errors in, 195
- Institutional size and complexity, relationship of, to faculty autonomy, 295
- Laboratory-type courses, calculation of productivity of, 3
- Market segments, geographic, institutional position in, 59
- Medical school departments, task characteristics of faculty in, 125
- Pay, rank, and growing old, 23
- Physical and social sciences, another look at the, 85
- Power, perception of, in university departments, 283
- Residence hall and independent living, comparing, 207
- Retirement law for tenured faculty, later mandatory, effects of a, 37
- Spending, higher education, environmental determinants of two types of, 343
- Stability of teacher performance in same course over time, 153
- Student ratings and instructional variables from a within-instructor perspective, 167
- Teacher performance, stability of, 153
- Teaching effectiveness, student ratings of, path analysis of factors related to, 111
- Teaching effectiveness, perceived, faculty role orientation and, 99
- Temporal perceptions and university faculty, 179
- University departments, perception of change in, 45
- Validity extension of the course-faculty instrument, 13

RESEARCH IN HIGHER EDUCATION

CHARLES F. ELTON, Editor



Journal of
The Association for Institutional Research

Volume 11, 1979

AGATHON PRESS, INC. • New York, NY

© 1979 APS Publications, Inc.
15 East 26th St.
New York, NY 10010

Statement of Ownership, Management and Circulation
(Required by 39 U.S.C. 3685)

1. Title of Publication: RESEARCH IN HIGHER EDUCATION, A. Publication No.: 03610365, 2. Date of Filing: September 30, 1979, 3. Frequency of Issue: Monthly, except January, February, July and August, A. No. of Issues Published Annually: 8, B. Subscription Price: \$48.00, 4. Location of Known Office of Publication: 15 East 26th St., New York, NY 10010, 5. Location of the Headquarters or General Business Office of the Publisher: 15 East 26th St., New York, NY 10010, 6. Name and Complete Address of Publisher: Agathon Press, Inc., 15 East 26th St., New York, NY 10010, Name and Complete Address of Editor: Charles F. Elton, College of Education, Dept. of Higher Education, University of Kentucky, Lexington, KY 40506, Name and Complete Address of Managing Editor: None, 7. Owner: Agathon Press, Inc., 15 East 26th St., New York, NY 10010, Stockholders owning or holding 1 percent or more of total amount of stock: Paul B. Heuber, 350 Central Park West, New York, NY 10025, Burton Lasky, 2741 Arlington Ave., Bronx, NY 10463, 8. Known Bondholders, Mortgagees, and Other Security Holders Owning or Holding 1 Percent or More of Total Amount of Bonds, Mortgages or Other Securities: None, 9. Not applicable, 10. Extent and Nature of Circulation: (First figure is Average No. of Copies each Issue During Preceding 12 Months. Second figure is Actual No. Copies of Single Issue Published Nearest to Filing Date.) A. Total No. Copies Printed: 1,279-1,150, B. Paid Circulation: 1. Sales Through Dealers and Carriers, Street Vendors and Counter Sales: None-None, 2. Mail Subscriptions: 854-882, C. Total Paid Circulation: 854-882, D. Free Distribution by Mail, Carrier or Other Means Samples, Complimentary, and Other Free Copies: 285-35, E. Total Distribution: 1,139-937, F. Copies Not Distributed: 1. Office Use, Left Over, Unaccounted, Spoiled After Printing: 140-213, 2. Returns from News Agents: None-None, G. Total: 1,279-1,150.

11. I certify that the statements made by me above are correct and complete.

Edith W. Henri, Business Manager

Research in Higher Education

Journal of the Association for Institutional Research

Volume 11, Number 1

1979

Calculation of Productivity of Laboratory-type Courses Stephen E. Schullery	3
Validity Extension of the Course-Faculty Instrument (CFI) Stephen A. Stumpf, Richard D. Freedman, and Kenneth M. Krieger	13
Pay, Rank, and Growing Old with More of Each Gerald W. McLaughlin, James R. Montgomery, and Beatrice T. Mahan	23
Steady State Effects of a Later Mandatory Retirement Law for Tenured Faculty William A. Simpson	37
The Perception of Change in University Departments Yoram Neumann	45
Market Structure and Institutional Position in Geographic Market Segments Larry H. Litten	59
Paradigm Revisited: Another Look at the Physical and Social Sciences Bruce R. Lewis and Theo R. Leverenz	85

Volume 11, Number 2

Faculty Role Orientation and Perceived Teaching Effectiveness: The Case of an Intervening Variable James D. South, Malcolm D. Hill, and James L. Morrison	99
A Path Analysis of Factors Often Found to Be Related to Student Ratings of Teaching Effectiveness Stephen A. Stumpf, Richard D. Freedman, and Joseph C. Aguanno	111

Task Characteristics of Faculty in Medical School Departments Martin P. Charns and Yoram Neumann	125
Faculty Attitudes Toward Student Evaluation of Teaching James A. McMartin and Harvey E. Rich	137
The Stability of Teacher Performance in the Same Course over Time Philip L. Smith	153
Student Ratings and Various Instructional Variables from a Within-Instructor Perspective R. Barker Bausell and Carole R. Bausell	167
Temporal Perceptions and University Faculty Dianne S. Peters	179
AIR Between Forums	189

Volume 11, Number 3

Estimating Errors in Student Enrollment Forecasting K. T. Marshall and R. M. Oliver	195
Comparing Residence Hall and Independent Living Settings Rudolph Moos and Elisabeth Lee	207
State-Level Review of Existing Academic Programs: Have Resources Been Saved? Jacqueline M. Skubal	223
Patterns of Student Interaction in Clark-Trow Subgroups Sigrid M. Hutcheson and David W. Chapman	233
The Use of a Markov Model in Assessment of Alternate Faculty Personnel Policies David L. Spinney and Gerald W. McLaughlin	249
Mastery Learning: A Model for Academic Success in Urban Junior Colleges Thomas R. Guskey and Judith A. Monsaas	263
AIR Between Forums	275

Volume 11, Number 4

The Perception of Power in University Departments: A Comparison Between Chairpersons and Faculty Members Yoram Neumann	283
The Relationship of Institutional Size and Complexity to Faculty Autonomy: A Reconsideration and Caution George Ecker	295
An Assessment of College Recruitment Literature: Does the High School Senior Understand It? Russell H. Johnson and David W. Chapman	309
Research on Audio-tutorial Instruction: A Meta-analysis of Comparative Studies James A. Kulik, Chen-Lin C. Kulik, and Peter A. Cohen	321
A Quantitative Exploration into Environmental Determinants of Two Types of Higher Education Spending Charles E. Feasley	343
Assessing Academic Program and Department Effectiveness Using Student Evaluation Data Stephen A. Stumpf	353
AIR Between Forums	365
Author Index to Volume 11	369
Subject Index to Volume 11	370

1. The first part of the paper is devoted to a general discussion of the problem of the origin of life.

2. The second part of the paper is devoted to a detailed discussion of the problem of the origin of life.

3. The third part of the paper is devoted to a detailed discussion of the problem of the origin of life.

4. The fourth part of the paper is devoted to a detailed discussion of the problem of the origin of life.

5. The fifth part of the paper is devoted to a detailed discussion of the problem of the origin of life.

6. The sixth part of the paper is devoted to a detailed discussion of the problem of the origin of life.

7. The seventh part of the paper is devoted to a detailed discussion of the problem of the origin of life.

8. The eighth part of the paper is devoted to a detailed discussion of the problem of the origin of life.

9. The ninth part of the paper is devoted to a detailed discussion of the problem of the origin of life.

10. The tenth part of the paper is devoted to a detailed discussion of the problem of the origin of life.

11. The eleventh part of the paper is devoted to a detailed discussion of the problem of the origin of life.

12. The twelfth part of the paper is devoted to a detailed discussion of the problem of the origin of life.

13. The thirteenth part of the paper is devoted to a detailed discussion of the problem of the origin of life.

14. The fourteenth part of the paper is devoted to a detailed discussion of the problem of the origin of life.

15. The fifteenth part of the paper is devoted to a detailed discussion of the problem of the origin of life.

16. The sixteenth part of the paper is devoted to a detailed discussion of the problem of the origin of life.

17. The seventeenth part of the paper is devoted to a detailed discussion of the problem of the origin of life.

18. The eighteenth part of the paper is devoted to a detailed discussion of the problem of the origin of life.

